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Notice of Allowability	Application No.	Applicant(s)	
	10/634,075	MORADI ET AL.	
	Examiner	Art Unit	
	Mariceli Santiago	2879	
The MAILING DATE of this communication appears on the cover sheet with the correspondence address All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.			
1. X This communication is responsive to Amendment filed June 16, 2004.			
2. The allowed claim(s) is/are <u>1-23</u> .			
3. The drawings filed on <u>04 August 2003</u> are accepted by the Examiner.			
 4.			
Attachment(s) 1. Notice of References Cited (PTO-892) 2. Notice of Draftperson's Patent Drawing Review (PTO-948) 3. Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	5. ☐ Notice of Informal P. 6. ☐ Interview Summary Paper No./Mail Dat 8), 7. ☐ Examiner's Amendn 8. ☑ Examiner's Stateme 9. ☐ Other	(PTO-413), e nent/Comment	·

DETAILED ACTION

Response to Amendment

The Amendment, filed on June 16, 2004, has been entered and acknowledged by the Examiner.

Claims 1-23 are pending in the instant application.

Terminal Disclaimer

The terminal disclaimer filed on June 16, 2004 disclaiming the terminal portion of any patent granted on this application which would extend beyond the expiration date of U.S. Patent no. 6,630,781 has been reviewed and is accepted. The terminal disclaimer has been recorded.

Allowable Subject Matter

Claims 1-23 are allowed over the prior art of record.

The following is an examiner's statement of reasons for allowance:

Regarding claim 1, the references of the Prior Art of record fails to teach or suggest the combination of the limitations as set forth in claim 1, and specifically comprising the limitation of an insulating layer disposed between the first electrode and the second electrode including a ridge located closer to the at least one emitter than a portion of the first electrode or a portion of the second electrode.

Regarding claims 2-12, claims 2-12 are allowable for the reasons given in claim 1 because of their dependency status from claim 1.

Regarding claim 13, the references of the Prior Art of record fails to teach or suggest the combination of the limitations as set forth in claim 13, and specifically comprising the limitation of an insulating layer disposed between the gate electrode and the focusing electrode including

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a ridge protruding closer to the emitter than one of a sidewall of the gate electrode and a

sidewall of the focusing electrode.

Regarding claims 14-23, claims 14-23 are allowable for the reasons given in claim 13

because of their dependency status from claim 13.

Any comments considered necessary by applicant must be submitted no later than the

payment of the issue fee and, to avoid processing delays, should preferably accompany the

issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons

for Allowance."

Contact Information

Any inquiry concerning this communication or earlier communications from the examiner

should be directed to Mariceli Santiago whose telephone number is (571) 272-2464. The

examiner can normally be reached on Monday-Friday from 9:30 AM to 6:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Nimesh Patel, can be reached on (571) 272-2457. The fax phone number for the

organization where this application or proceeding is assigned is (703) 872-9306.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about PAIR system,

see http://pair-direct.uspto.gov. Should you have questions on access to Private PAIR system,

contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Mariceli Santiago Patent Examiner

Art Unit 2879

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